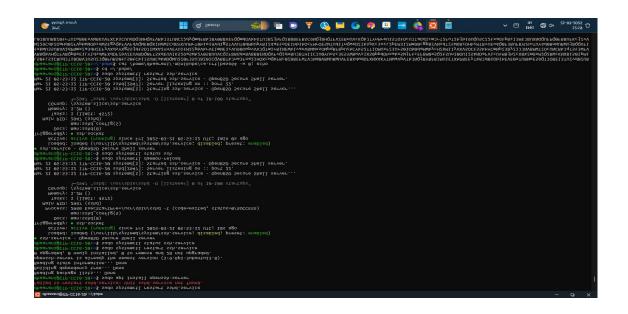
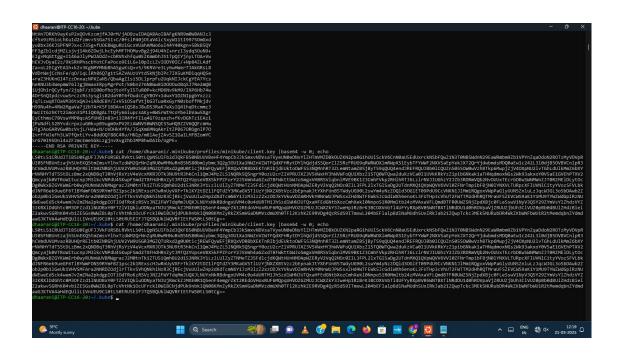
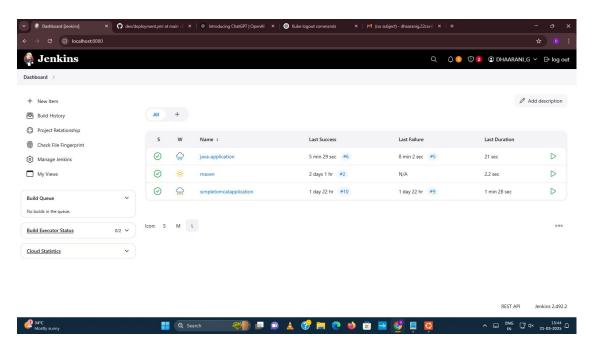
DEVOPS-DAY-5 JAVA APPLICATION DEPLOYMENT IN MINIKUBE





```
© Management Country | Secretary | Secret
```

JAVA APPLICATION CREATED:

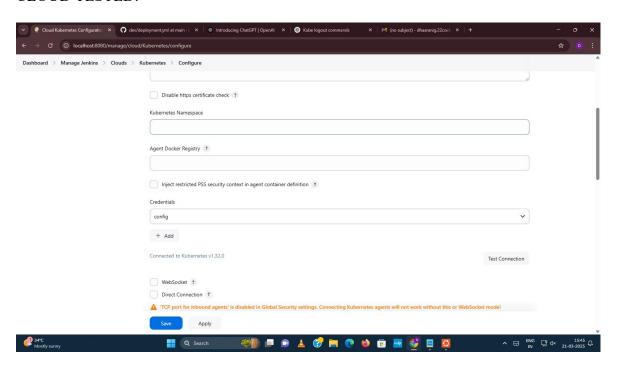


```
DEPLOYMENT.YML:
apiVersion: apps/v1
kind: Deployment
metadata:
 name: my-deploy
 labels:
  apptype: web-backend # Ensure this matches Service selector
spec:
 replicas: 4
 selector:
  matchLabels:
   apptype: web-backend # Ensure this matches Service selector
 strategy:
  type: RollingUpdate
 template:
  metadata:
   labels:
    apptype: web-backend # Ensure this matches Service selector
  spec:
   containers:
   - name: my-app
    image: dhaarani15/simplewebapp:2
    ports:
    - containerPort: 7070
```

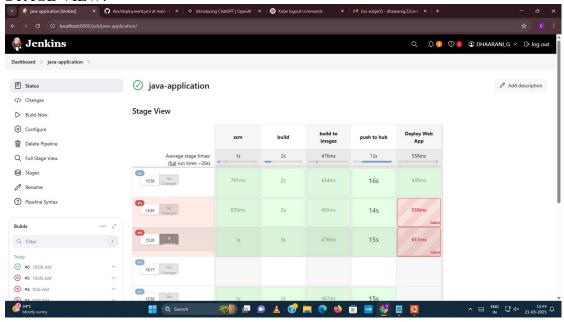
```
apiVersion: v1
kind: Service
metadata:
 name: my-service
 labels:
  apptype: web-backend # Make labels consistent
spec:
 type: NodePort
 ports:
  - targetPort: 8080
   port: 7070
   nodePort: 30002
 selector:
  apptype: web-backend
PIPILINE SCRIPT:
pipeline {
  agent any
  stages {
    stage('scm') {
       steps {
    git branch: 'main', url: 'https://github.com/DHAARANIGANESAN/dev.git'
    stage('build') {
       steps {
         sh "mvn clean"
         sh "mvn install"
stage('build to images') {
       steps {
         script{
```

```
sh 'docker build -t dhaarani15/simplewebapp:2.'
  }
}
stage('push to hub') {
       steps {
         script{
          withDockerRegistry(credentialsId: 'Docker cred', url:
'https://index.docker.io/v1/') {
          sh 'docker push dhaarani15/simplewebapp:2'
       }
  }
stage('Deploy Web App') {
       steps {
            withKubeConfig(caCertificate: ", clusterName: 'minikube', contextName:
'minikube', credentialsId: 'KUBE', namespace: ", restrictKubeConfigAccess: false,
serverUrl: 'https:://192.168.39.226:8443') {
            sh 'kubectl apply -f deployment.yml --validate=false'
       }
```

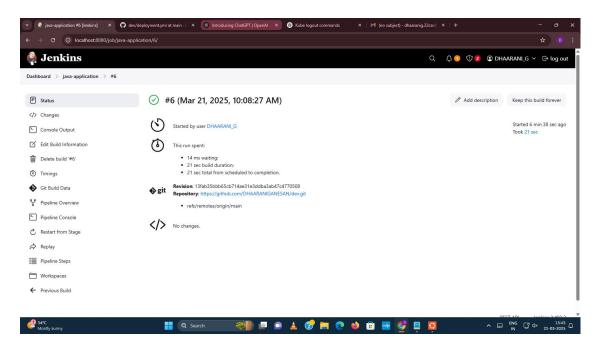
CLOUD TESTED:



STAGE VIEW:



BUILD SUCCESS:



CREDENTIAL:

